



CERTIFICATE NUMBER
FOR-T1703141

ISSUING OFFICE
Global Engineering

CERTIFICATE OF FORGING FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of
SCOT FORGE COMPANY
SPRING GROVE DIVISION, SPRING GROVE,
IL, United States, 60081

attend its facilities as indicated in the ABS Sturgeon Bay Station port office survey report number 3408369 dated 18 December 2017 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

Aluminium Forging and Other and Steel Forging components for marine applications

in accordance with the ABS Approval letter (Reference T1703141), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 19 December 2022 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.

Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 18 December 2017
EXPIRY DATE: 19 December 2022

FIRST ANNUAL
ENDORSEMENT:

SECOND ANNUAL
ENDORSEMENT:

THIRD ANNUAL
ENDORSEMENT:

FOURTH ANNUAL
ENDORSEMENT:



NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, Guides, standards or other criteria of ABS as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a full description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of ABS who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



Scot Forge, (WCN: 515893)
8001 Winn Road, Box 8
Spring Grove, Illinois

Reference: T1703141 (VM/SM)
Project Number: 3990911
Certificate No: FOR-T1703141

ATTN: Mr. Steve Hughes:

Renewal of Forging Facility and Process Approval ABS Approval of Scot Forge, Spring Grove, Illinois

We have the ABS Sturgeon Bay Plant Survey Report SB3408369 dated December 18, 2017, along with your submittals together with enclosures relative to the subject. With regard thereto we advise that Scot Forge, Spring Grove, Illinois is considered approved to produce forgings to the requirements of *ABS Materials & Welding Rules Part 2 (2017)* as outlined below, provided the Rules are adhered to in all respects and all production, testing and inspection are to the satisfaction of the attending ABS Surveyor.

Grade	: ABS & Non ABS-Grades: Carbon, Carbon-Manganese & Alloy Steels : Copper, Nickel, Titanium and Aluminum Alloys
Melting Practice	: ABS Approved Sources
Casting Practice	: ABS Approved Sources
Forging Practice	: Open Die Forging/Ring Rolling
Maximum Weight	: 36,300 kg
Heat treatment facility	: In House
Product Examples	: Round Blank, Ring, Hub, Bar, Flat, Round Bar, Hollows, Spindles etc.

Weld repair is generally not permitted on forgings, unless specially approved by the ABS Engineering Office.

The approval is valid for five years subject to annual endorsement survey and will expire on December 19, 2022. Please note it is the responsibility of the facility to inform ABS of any changes to the manufacturing parameters and request annual endorsement survey or renewal of approval prior to the five year expiry date. Please find our invoice to cover the costs of the technical review is enclosed.

A copy of the documentation appropriately stamped to indicate our review is being retained. If you need to contact ABS regarding this review please email Karthik Mantravadi at vmantravadi@eagle.org.

Very truly yours,

Wei-Biao (Bill) Shi
Vice President, Global Engineering
ABS

A handwritten signature in black ink, appearing to read 'Satya Meruva', written over a horizontal line.

Satya Meruva
Managing Principal Engineer
Global Materials Team –
Materials, Welding and NDE

CC: ABS Sturgeon Bay



CERTIFICATE NUMBER
FOR-T1704252

ISSUING OFFICE
Global Engineering

CERTIFICATE OF FORGING FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of

SCOT FORGE

105 SCOT DRIVE, CLINTON, WI, United States, 53525

attend its facilities as indicated in the ABS Sturgeon Bay Station port office survey report number 3408364 dated 18 December 2017 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

Stainless Steel Forging and Steel Forging and Other components for marine applications

in accordance with the ABS Approval letter (Reference T1704252), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 17 December 2022 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.



Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 18 December 2017
EXPIRY DATE: 17 December 2022

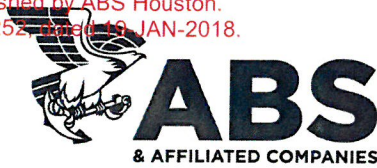
FIRST ANNUAL
ENDORSEMENT:

SECOND ANNUAL
ENDORSEMENT:

THIRD ANNUAL
ENDORSEMENT:

FOURTH ANNUAL
ENDORSEMENT:

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Scot Forge, (WCN: 981432)
105 Scot Drive,
Clinton, Wisconsin 53525

Reference: T1704252 (VM/SM)
Project Number: 3990911
Certificate No: FOR-T1704252

ATTN: Mr. Steve Hughes:

Renewal of Forging Facility and Process Approval ABS Approval of Scot Forge, Clinton, Wisconsin

We have the ABS Sturgeon Bay Plant Survey Report SB3408364 dated December 18, 2017, along with your submittals together with enclosures relative to the subject. With regard thereto we advise that Scot Forge, Clinton, Wisconsin is considered approved to produce forgings to the requirements of *ABS Materials & Welding Rules Part 2 (2017)* as outlined below, provided the Rules are adhered to in all respects and all production, testing and inspection are to the satisfaction of the attending ABS Surveyor.

Grade	: ABS & Non ABS-Grades: Carbon, Carbon-Manganese & Alloy Steels : Stainless Steels : Copper, Nickel, Titanium and Aluminum Alloys
Melting Practice	: ABS Approved Sources
Casting Practice	: ABS Approved Sources
Forging Practice	: Open Die Forging/Ring Rolling
Maximum Weight	: 22,700 kg
Heat treatment facility	: In House
Product Examples	: Blanks, Rings, Hub, Bars, Flats etc.

Weld repair is generally not permitted on forgings, unless specially approved by the ABS Engineering Office.

The approval is valid for five years subject to annual endorsement survey and will expire on December 17, 2022. Please note it is the responsibility of the facility to inform ABS of any changes to the manufacturing parameters and request annual endorsement survey or renewal of approval prior to the five year expiry date. Please find our invoice to cover the costs of the technical review is enclosed.

A copy of the documentation appropriately stamped to indicate our review is being retained. If you need to contact ABS regarding this review please email Karthik Mantravadi at vmantravadi@eagle.org.

Very truly yours,

Wei-Biao (Bill) Shi
Vice President, Global Engineering
ABS

Satya Meruva
Managing Principal Engineer
Global Materials Team –
Materials, Welding and NDE

CC: ABS Sturgeon Bay



CERTIFICATE NUMBER
FOR-T1711970

ISSUING OFFICE
Global Engineering

CERTIFICATE OF FORGING FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of

SCOT FORGE

9394 W. BELMONT AVE., FRANKLIN
PARK, IL, United States, 60131

attend its facilities as indicated in the ABS Chicago Port office survey report number 3401122 dated 08 November 2017 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

Aluminium Forging and Steel Forging and Other components for marine applications

in accordance with the ABS Approval letter (Reference T1711970), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 07 November 2022 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.

Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 08 November 2017
EXPIRY DATE: 07 November 2022

FIRST ANNUAL
ENDORSEMENT:

SECOND ANNUAL
ENDORSEMENT:

THIRD ANNUAL
ENDORSEMENT:

FOURTH ANNUAL
ENDORSEMENT:



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Scot Forge, (WCN: 131821)
9394 W. Belmont Avenue,
Franklin Park, Illinois 60131

Reference: T1711970 (VM/SM)
Project Number: 3990911
Certificate No: FOR-T1711970

ATTN: Mr. Steve Hughes:

Renewal of Forging Facility and Process Approval ABS Approval of Scot Forge, Franklin Park, Illinois

We have the ABS Chicago Plant Survey Report CH3401122 dated November 08, 2017, along with your submittals together with enclosures relative to the subject. With regard thereto we advise that Scot Forge, Franklin Park, Illinois is considered approved to produce forgings to the requirements of *ABS Materials & Welding Rules Part 2 (2017)* as outlined below, provided the Rules are adhered to in all respects and all production, testing and inspection are to the satisfaction of the attending ABS Surveyor.

Grade	: ABS & Non ABS-Grades: Carbon, Carbon-Manganese & Alloy Steels : Copper, Nickel, Titanium and Aluminum Alloys
Melting Practice	: ABS Approved Sources
Casting Practice	: ABS Approved Sources
Forging Practice	: Open Die Forging/Ring Rolling
Maximum Weight	: 1,360 kg
Heat treatment facility	: In House
Product Examples	: Round Blank, Ring, Hub, Bar, Flat, Round Bar, Hollows, Spindles etc.

Weld repair is generally not permitted on forgings, unless specially approved by the ABS Engineering Office.

The approval is valid for five years subject to annual endorsement survey and will expire on November 07, 2022. Please note it is the responsibility of the facility to inform ABS of any changes to the manufacturing parameters and request annual endorsement survey or renewal of approval prior to the five year expiry date. Please find our invoice to cover the costs of the technical review is enclosed.

A copy of the documentation appropriately stamped to indicate our review is being retained. If you need to contact ABS regarding this review please email Karthik Mantravadi at vmantravadi@eagle.org.

Very truly yours,

Wei-Biao (Bill) Shi
Vice President, Global Engineering
ABS

Satya Meruva
Managing Principal Engineer
Global Materials Team –
Materials, Welding and NDE

CC: ABS Chicago